

What is claimed is:

1. An apparatus for selectively stimulating a non-dominant cerebral hemisphere of a patient comprising:

one or more lights in close proximity to a patient's eye wherein the one or more lights selectively stimulate the patient's eye connected to the non-dominant cerebral hemisphere at a greater intensity than the dominant cerebral hemisphere.

2. The apparatus as recited in Claim 1, further comprising: a surface on which the one or more lights are positioned; and

a sound source for providing sound to the ear connected to the non-dominant cerebral hemisphere.

3. The apparatus as recited in Claim 2, wherein the surface is a pair of sunglasses or optical glasses.

4. The apparatus as recited in Claim 1 wherein the light produced by the one or more lights is white.

5. The apparatus as recited in Claim 1, wherein the light produced by the one or more lights is plane polarized.

76

6. The apparatus as recited in Claim 1, wherein the light produced by the one or more lights is varied in color.

5
Suter
7. The apparatus as recited in Claim 1, wherein the one or more lights is further defined as being controlled by a microcontroller.

8. The apparatus as recited in according to Claim 2, wherein the sound source is part of a headset.

10

77

9. An apparatus for treating learning disorders by selectively stimulating a non-dominant cerebral hemisphere of a patient comprising:

one or more lights positioned in close proximity to a patient's eye;

a microcontroller electrically connected to the lights and controlling the lights, the one or more lights being selectively controlled by the microcontroller, to allow only the lights in front of the patient's eye to be activated; and

a power source electrically connected to the microcontroller that provides electricity to the one or more lights and the microcontroller.

10. The apparatus as recited in Claim 10, further comprising: a surface on which the one or more lights are positioned.

11. The apparatus as recited in Claim 10, wherein the surface is a pair of sunglasses.

12. The apparatus as recited in according to Claim 9, wherein the light produced by the one or more lights is white.

13. The apparatus as recited in Claim 9, wherein the light produced by the one or more lights is plane polarized.

14. The apparatus of Claim 9, wherein the light produced by the one or more lights is varied in color.

5
15. The apparatus of Claim 10, wherein the sound source is part of a headset.

16. A method for selectively stimulating a non-dominant cerebral hemisphere of a patient comprising the steps of:
selectively stimulating the non-dominant visual cortex and fronto-orbital cortex of the patient using one or more lights positioned in close proximity to the patient's eye.

17. The method of claim 16, further comprising the steps of stimulating both eyes of a patient.

18. The method of claim 16, wherein the light is defined as being white light.

19. The method of claim 16, wherein the light is plane polarized.

20. The method of claim 16, wherein the light is an LED.

21. The method of claim 16, wherein the light is controlled by a microcontroller.

22. The method of claim 16, wherein the patient has been diagnosed with Attention Deficit Disorder.

23. The method of claim 16, wherein the patient has been diagnosed with Attention Deficit Hyperactive Disorder.

5 *Sub 95* 24. The method of claim 16, wherein the patient has been diagnosed with Dyslexia. /

25. The method of claim 16, wherein the patient has been diagnosed with learning differences.

10 26. The method of claim 16, wherein the patient has been diagnosed with a neurological difference caused by hemispheric dominance.

15 *Sub 96* 27. The method of claim 16, further comprising the steps of differentially stimulating both eyes of a patient. /